

**Abstract**

Apparatus is provided for protecting a patient's limb from tourniquet-related injury, comprising: a tourniquet cuff having a length sufficient for encircling a limb protection sleeve applied to a limb at a location having a limb circumference of not less than a predetermined minimum limb circumference and not more than a predetermined maximum limb circumference; limb protection sleeve adapted for applying to the limb at the location, wherein the sleeve has a tubular shape and a tubular circumference predetermined to be less than the predetermined minimum and wherein the sleeve is formed to allow elastic stretching of the tubular shape sufficient to increase the tubular circumference to be substantially equivalent to the limb circumference at the location when the sleeve is applied to the limb, thereby applying a pressure to the limb that is greater than a predetermined minimum pressure and less than a predetermined maximum pressure; and identification means perceptible to a user for providing an indication to the user of the predetermined minimum limb circumference and the predetermined maximum limb circumference.

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